

**ABSTRACT**

An LCD device and a method for driving the device reduces power consumption by transmitting data by using at least two clock signals having different phases. The LCD device displays a picture image by driving an LCD panel that includes multiple source drivers applying data signals to the LCD panel. Multiple gate drivers apply gate driving signals to the LCD panel, a timing controller outputs at least two clock signals having different phases and separately outputs data synchronized with each output signal, and at least two data buses transmit the data separately output from the timing controller to the source drivers. The method for driving the LCD device includes outputting at least two clock signals having different phases, and separately outputting the digital data synchronized with respective clock signals per odd/even numbered data or R/G/B display data through different data buses.

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